Canon

imageRUNNER ADVANCE C2230/C2220

Fulfilling two key requirements

C2230

User-Centric

Intelligent Usability.

imageRUNNER ADVANCE was born targeting the ultimate ease of use. Based on customer feedback, that user-centric control has now been further improved. The theme is “intelligent usability.” Expanding the range of the “do-able” and enhancing both the process and the results, Canon puts more fun into the document workflow. The new imageRUNNER ADVANCE strengthens the connection with the business scene.

Easy Operation for Everyone in the Office

Fulfilling two key requirements:

Usability and Efficiency

〔**Actual size**〕

※The main menu screen is set to display three buttons.

01 USABILITY

Large, Legible, Easy to Use

Point

7-inch LCD touch panel and tilt mechanism

The backlight LED provides increased illumination while the easy-to-use tilt mechanism allows screen-angle adjustment. In addition, the power key lights up in sleep mode to act as the power-saving key, allowing intuitive understanding of sleep mode and operation resumption.

Tilt mechanism

Changeable Button Display for Easier Use

Main Menu customization

The number of buttons and their display sequence on the Main Menu can be customized according to everyday work needs. It supports efficient operation with fewer errors and less delay.

Easy Replenishment Whatever the Paper Size

Paper supply

Paper cassettes open with a push of a button. The paper size is automatically recognized once users set it.

Color Universal Design (CUD) Certification Mark

This product has received the Color Universal Design (CUD) certification mark from the non-profit Color Universal Design Organization (CUDO) attesting that it can convey information to any user regardless of their color perception.

CUD COLOR UNIVERSAL DESIGN

One-Touch Control Improves Efficiency

Custom Menu

Frequently used settings, such as “2 on 1/2-sided” or “Compact PDF/OCR,” can be combined and registered for individual users. The target job can be performed with one-touch control.

Fast Operation from Power ON

Point

Warm-up time and High-Speed Start*1

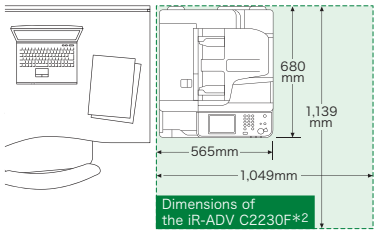
The speedy warm-up time responds efficiently to user's urgent copy needs. Moreover, with “High-Speed Start at Power ON,” screen operation can be performed within seven seconds of switching on the main power supply.

Easy Installation, Quiet Operation

Point

Space-saving and low-noise design

The compact design takes up just 565mm × 680mm of floor space, while exhaust-system improvements reduce operating noise. Both features make it ideal for installation near a user’s desk.

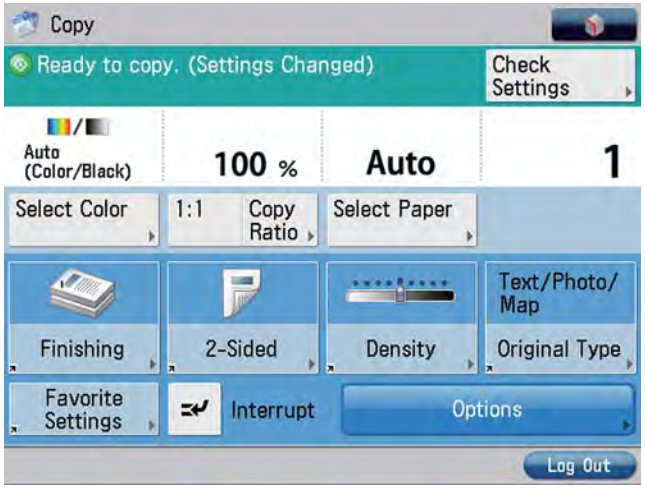


*1 High-Speed Start may not be possible depending on the operating conditions.
*2 With the Main Unit’s right output tray cover open and paper supply from the cassette drawer.

In this brochure, the imageRUNNER ADVANCE Series is referred to as “iR-ADV” wherever appropriate.

Speedy Performance of Regular Work

02 COPY



Copy screen allows easy confirmation of current settings. Copy speed is 30 sheets per minute in both B/W and color (both A4 landscape).*1 It handles high-volume copy tasks efficiently.

Preset Operation Raises Copy Workflow Efficiency

Favorite Settings

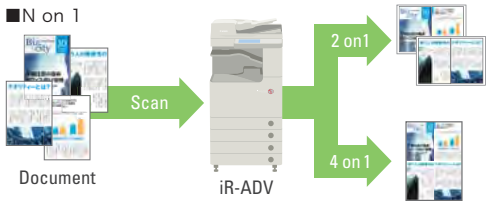
Saving time and effort for each copy, frequently used settings can be registered in memory keys. The Previous Settings key is also handy, recalling up to three registered copy settings.

Easy-To-Read Finishing Reduces Costs

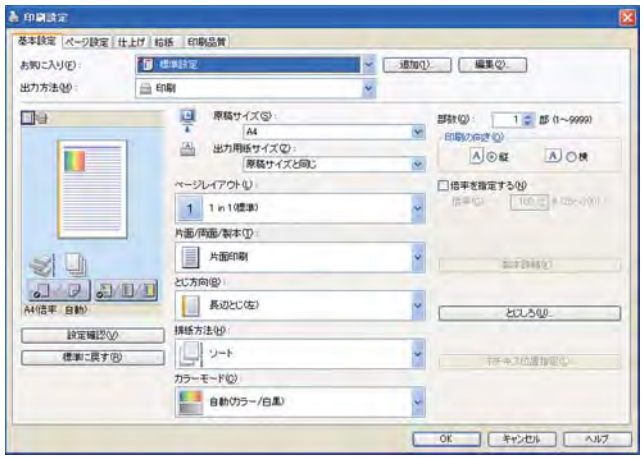
N on 1 and Booklet

Select a layout from 2 on 1, 4 on 1 or 8 on 1, and multiple originals can be aggregated on one sheet of paper. In addition, with Booklet finishing, originals can be copied automatically onto double-sided copies. The result is easy-to-read documents and reduced paper costs.

■N on 1



03 PRINT



An easy-to-use, graphical user interface is provided. The print driver*2 efficiently performs a variety of functions including paper selection, paper source and finishing.

Selectable PDL According to the OS and the Kind of Work

Multi-PDL compatible

Depending on the office needs, the OS, work contents, etc., users can choose from multiple page description languages (PDLs) including Canon proprietary LIPS LX, which realizes high-speed data processing, Adobe® PostScript®3™,*3 and LIPS V*4 that provides backwards compatibility with LIPS.

LIPS LX

*1 C2230F model only. C2220/C2220F models: 20 sheets/min B/W and color (all A4 landscape). *2 Scheduled to be compatible with standard settings in December 2012. *3 Requires PS Printer Kit-AT1. *4 Requires LIPS V Printer Kit-AT1. *5 Scheduled for release in December 2012. Display errors may appear

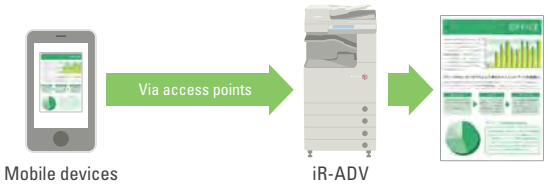
04 FAX

Print from a Smartphone or Tablet PC

Point

Canon Mobile Printing*5

Printing web pages or PDF files from mobile devices connected to wireless LAN access points is easy, using the iPhone- and iPad-compatible print application.

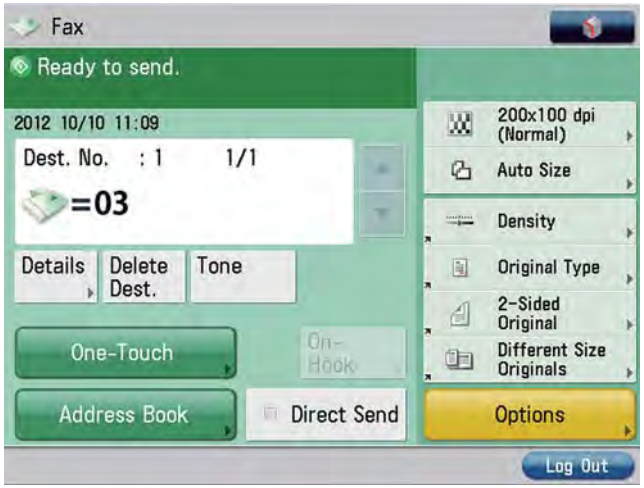


Reduce Costs by Cutting Unnecessary Output

Point

Erande My Print for MEAP ADVANCE*6

Print data is temporarily saved in memory and only the required job is selected and output from the user job list. It prevents unnecessary output and reduces costs. It is easy to install and requires no special set up.



The simple dedicated fax screen offers the same smooth operation as a dedicated fax machine. Super G3 fax delivers*7 a maximum transmission speed of 33.6kbps, or high-speed 2-second communication.

Prevention of Wrong Transmission for Improved Confidentiality

Fax security

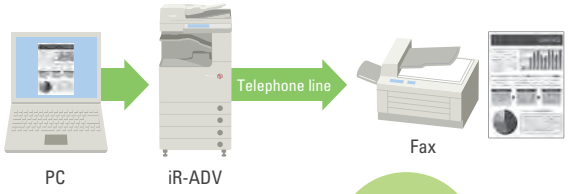
Wrong transmissions are prevented by the Confirm Entered Fax Number function and the Access Number Management function. Moreover, it conforms to FASEC1, the fax security function guideline for business use.

FASEC 1

Paperless for Reduced Costs

Fax driver

The fax driver enables users to send paperless faxes from a computer. In addition to reducing paper costs, it also ensures that there are no smudges or blurs. It also enables efficient fax log management.

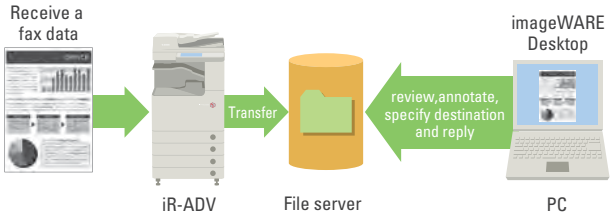


Efficient Fax Work

Point

Fax transfer and imageWARE Desktop*6

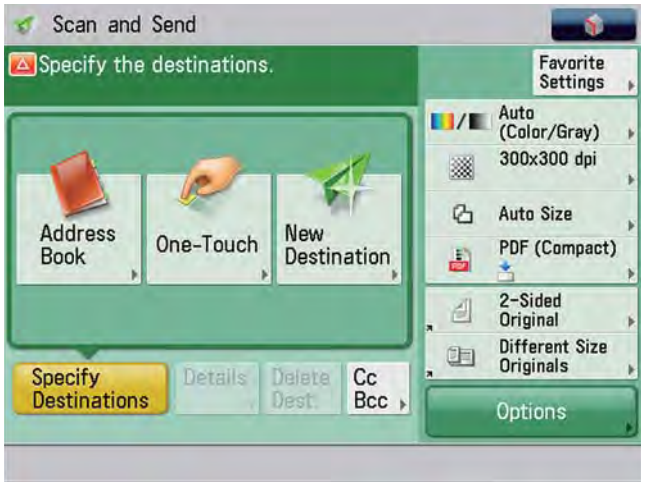
Incoming fax documents are sent to the file server, where they can be accessed and viewed from a desktop computer. Furthermore, using imageWARE Desktop, users can perform a variety of operations from their computer, such as review, annotate, specify destination and reply.



depending on the document type. *6 Sold separately. *7 C2220 requires Super G3 Fax Board-AH2.

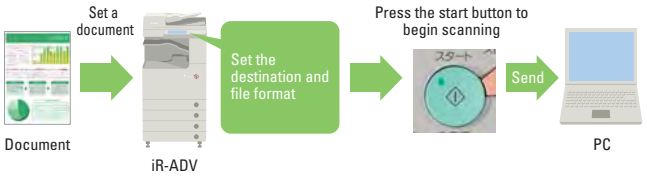
Digitize Paper Documents for Use

05 SCAN



Address specification and other setup operations are easy to perform on the Scan and Send screen. Registering key sequences in the Favorite Settings (top right) further enhances operating efficiency.

■ Illustration of the Scanning Process

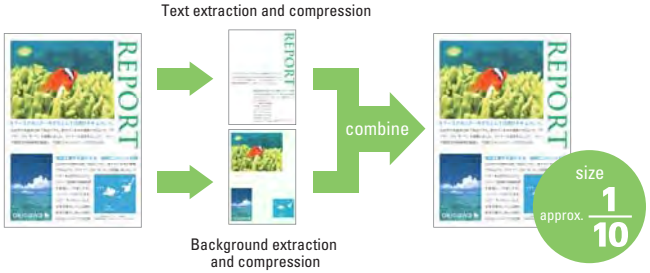


An Abundance of Variations to Meet any Requirement

Adobe®PDF compatible

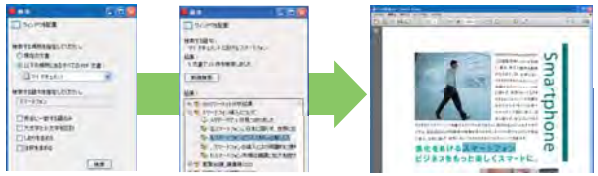
■Compact PDF reduces file size

PDF files compressed to approx. one tenth of the original reduce the load on networks and servers. It contributes to storage-space reduction and file-transmission efficiency.



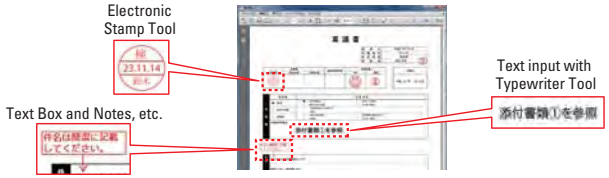
■Searchable PDF improves usability*1

OCR processing adds text data to the scanned documents, enabling users to retrieve documents and reuse the text.


Smartphone
Input search keyword and location.
Show all documents containing the keyword.
Show highlighted keyword within the selected document.

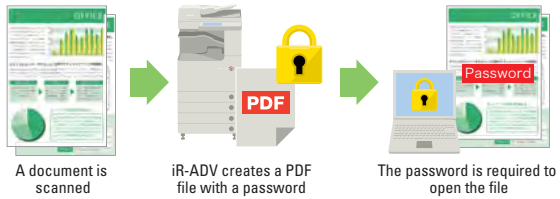
■Editable PDF with Reader Extensions*1

Users can make a simple edit such as adding notes, correcting and putting signatures by using Adobe®Reader (V7 and later).



■Encrypted PDF for enhanced security

Password-protected PDF allows only authorized users to open the files, resulting in improved security.



*1 Requires Scanning Solution Expansion Kit-A1. *2 Sold separately. *3 When printing PDF files, PS Printing Kit-AT1 or Direct Print Kit (for PDF/XPS)-H1 will be required. *4 Use of the separately sold HOME requires a separate contract.

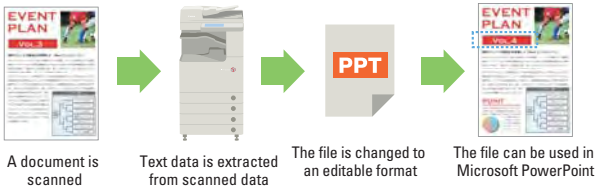
Scanned Documents can be Used as Microsoft PowerPoint Files

Point

Office Conversion

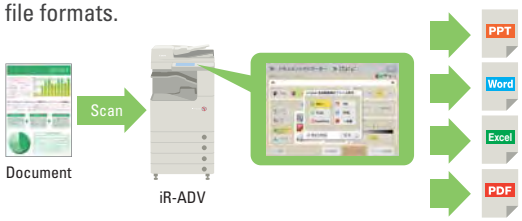
■Office Open XML compatible for PowerPoint

During scanning, text data is added by OCR processing and graphic data by outline processing to create Office Open XML compatible files. Scanned documents can be used as Microsoft PowerPoint files. The time and labor required to input and edit paper document data are sharply reduced. It also promotes paper recycling.


EVENT PLAN
PPT
A document is scanned
Text data is extracted from scanned data
The file is changed to an editable format
The file can be used in Microsoft PowerPoint

■Document Navigator and e.Typist for MEAP*2 to create Word and Excel files

If Document Navigator is used with a separately sold computer application, scanned documents can be converted automatically to Word, Excel and PDF as well as PowerPoint. OCR processing makes it easy to add or edit text. It supports effective use of paper data in a variety of file formats.

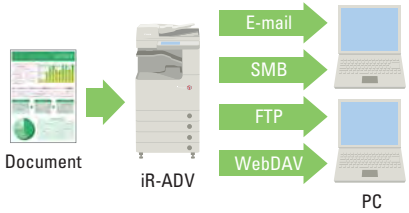


06 SEND

Variety of Document-Sending Options

Supports multiple protocols

SMB Send function allows users to share information within an office without using any server. Sending with FTP/WebDAV protocols is also supported. Documents can also be sent by E-mail with a variety of settings in the similar way as on computers.

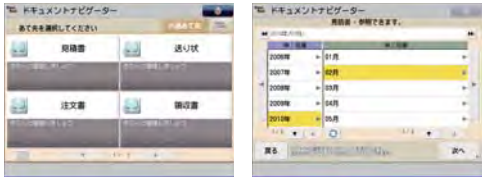


Easily Specify Destinations for Storing Documents

Point

Document Navigator*2

Document Navigator allows users to directly specify folders for storing scanned documents by displaying hierarchy of folders on their own computers. Documents can be saved with appropriate names matching their content and purpose, eliminating the need to return to the computer to rename documents and reorganize folders.

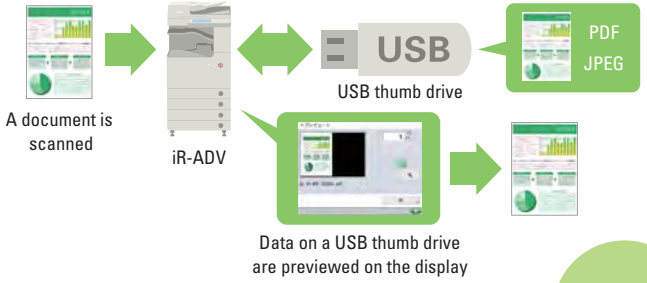


07 STORAGE

Easily Save Scanned Data to Expand Use

USB thumb drive

The imageRUNNER ADVANCE has USB ports on its side. Users can easily save scanned data onto a USB thumb drive. In addition, data on a USB thumb drive can be previewed on the touch panel display and printed out as needed.*3 It promotes the use of data on another iR-ADV without requiring a computer.

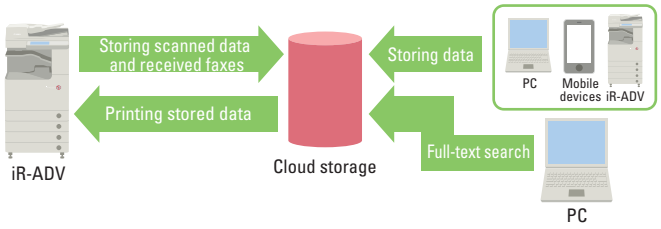


Realize Efficient Data Sharing

Point

Connect to HOME storage*4

Received faxes and scanned data can be stored in a cloud storage and printed out as required. In addition, the cloud storage can be accessed from a variety of devices, resulting in an efficient data sharing.



Meticulous Support of Secure Management

08 MANAGEMENT

Reduce Configuration and Operation Overhead

Point

Remote UI and Remote Operation

Remote UI enables integrated management from a desktop computer of all print function settings. Furthermore, the Remote Operation function makes it possible to remotely operate the printer from a desktop computer using the same user interface as provided on the printer itself. It supports prompt management and operation in response to inquiries from a remote location.

Online Support System to Reduce Management Load

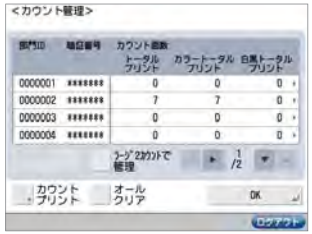
NETEYE*1

The iR-ADV's status is updated automatically to the monitoring center via the web to provide rapid response to maintenance and any emergency problems. A main unit software is also updated automatically. Stable operation is supported online reducing the management load.

Simple Management of Output for Each Department

Department ID Management

This feature enables output management and output volume control for copying, scanning and printing by each department, group, etc. Up to 1,000 departments can be registered and accessed by Department ID and PIN number, making management and control simple.



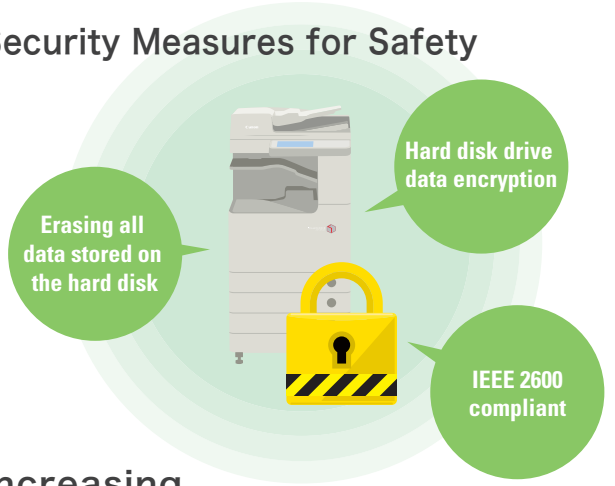
Help to Reduce Costs by Usage Analysis

imageWARE Accounting Manager for MEAP*2

This aggregate analysis tool realizes enhanced security and reduced costs based on print volume and print log. Users can also view their own monthly usage figures, etc., on the display panel to encourage more awareness of costs and security.

09 SECURITY

Security Measures for Safety



Increasing the Confidentiality of Job Data

Erasing all data stored on the hard disk

Digital data generated on the hard disk drive when copying or printing documents is overwritten as soon as the job is finished. Moreover, it also features a hard disk lock function to prevent unauthorized access to internal hard disk data.

Minimize the Risk of an Information Breach from the iR-ADV

Hard disk drive data encryption*3

By encrypting the data inside the hard disk drive, the risk of information being compromised if the printer is stolen or a similar case occurs is minimized. For hard disk drive data encryption, the iR-ADV contains a Canon MFP Security Chip with ISO15408 (Common Criteria) certification (EAL3), guaranteeing proper evaluation of its security performance.

*1 Contract is required separately (gratis). *2 Sold separately. *3 Requires HDD Data Encryption Kit-C3. *4 Figures from measurement methods defined by the International ENERGY STAR Program. *5 For the iR-ADV C2230F. *6 Plant-based plastics designed to reduce environmental footprint. Exterior plastic

10 ENVIRONMENT

Help to Reduce Power Use in Office

Low power consumption design

We have gained a TEC*4 (an indicator of low energy consumption) of 1.35kWh.*5 When in sleep mode the device uses less than one watt of power.

Wide-ranging Response to Environmental Needs

Compliance with standards

The iR-ADV is compliant with the Ecomark, the International ENERGY STAR Program, and the Law on Promotings Green Purchasing. It is also compliant with the RoHS Directive, which bans the use of six hazardous materials.

Contribute to a Cleaner Environment

Bio-based Plastic*6

Bio-based plastic certified by the Japan BioPlastics Association is used for the touch pen, which your hand will touch each time you use the printer, the buttons and part of the exterior plastic castings.

Environmental Consciousness Backed with Long Duration / Low Power Use

LED Lighting

LED lighting is used to backlight the LCD. The lighting efficiency is greatly improved by raising the brilliance of the light guides.

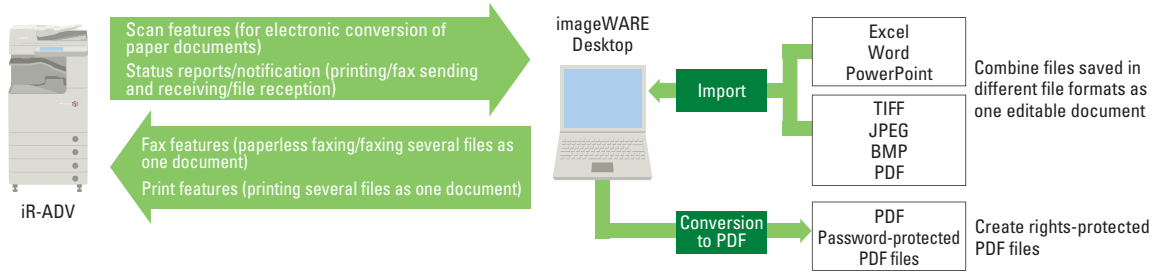
■Support for Smoother, More Comfortable Office Operation

Efficient Document Use on the Desk

imageWARE Desktop*2

imageWARE Desktop

This feature greatly improves work efficiency by aggregating daily document work on the computer with the iR-ADV. For example, users can receive data as a paperless fax and then view, write and send. In addition, they can integrate data created by a wide range of applications, then edit, preview and print. Or generate a PDF file and enter a file name, distribute and search.



Total IT Support for Small and Medium Offices

HOME*7

HOME

A network security appliance HOME-UNIT protects the office from various threats.
A groupware HOME-PORTAL enables smooth sharing of frequently changing data and the latest updates.
A contact center HOME-CC ensures safety as a remote IT administrator.
HOME is a useful outsourcing service that delivers a one-stop IT support center for small and medium offices.

HOME-UNIT Provide firewalls and anti-spam/anti-virus programs to guard against unauthorized access and potential threats such as viruses.

HOME-PORTAL Provide PC or mobile phone scheduler, file sharing, and messenger function.

HOME-CC (Contact Center) Offers contract-based centralized management by call center and remote tools for meticulous customer support.

HOME-PORTAL

castings have achieved 5V classification under the UL 94 Flammability Standard. ＊7 Contract is required separately (fees: from 3,200 yen/month, tax excluded).

SPECIFICATION

Main Unit

Model Name		iR-ADV C2230F	iR-ADV C2220F	iR-ADV C2220
Type		Desktop		
Color Supported		Full color		
Resolution (Scan)		600 dpi × 600 dpi		
Resolution (Print)		2400 dpi (interpolated) × 600 dpi		
Halftone		256 gradations		
Acceptable Originals		Maximum size: A3 sheet, Book, Three-dimensional objects (maximum approx. 2 kg)		
Paper Size		305 mm × 457 mm, 320 mm × 450 mm (SRA3)*1, A3, B4, A4, A4R, B5, B5R*2, A5, A5R*2, Postcard*1*3, Double Postcard*1*3, Quarter-dividable Postcard*1*3, Envelope*1*4 (Kakugata 2, Nagagata 3, Yogatanaga 3), Custom size*2 (99 mm × 139.7 mm to 320 mm × 457.2 mm)		
	Margins	Top:4 mm, Left and right:2.5 mm, Bottom:2.5 mm		
	Paper Weight	Cassette1:60 to 120 g/m², Cassette2: 60 to 163 g/m², Stack Bypass:60 to 220 g/m²		
Warm-Up Time	From Power on	iR-ADV C2220:30 sec. or less (temperature: 20 deg C), iR-ADV C2230F/C2220F:34 sec. or less (temperature: 20 deg C) ※When switching "High-Speed Start at Power ON" is set, then key operation on the touch panel display can be used within 7 seconds. High-Speed Start may not start depending on usage.		
	From Sleep Mode	10 sec. or less (temperature: 20 deg C)		
First-Copy time*2		B/W:5.9 sec. Full Color: 8.9 sec.		
Copy/ Print Speed	A3	15 ppm (color and B/W)	15 ppm (color and B/W)	
	B4	15 ppm (color and B/W)	15 ppm (color and B/W)	
	A4	30 ppm (color and B/W)	20 ppm (color and B/W)	
	B5	30 ppm (color and B/W)	20 ppm (color and B/W)	
Magnification	Regular Paper Size	1:1±0.5%, 1.15, 1.22, 1.41, 2.00, 4.00, 0.86, 0.81, 0.70, 0.61, 0.50, 0.25		
	Copy Ratio	25 to 400 % (in increments of 1 %)		
Paper Feeding System/ Capacity(64 g/m²)	Cassette	640 sheets × 1 + 680 sheets × 1 + 680 sheets × 2 (Cassettes Feeding Unit-AF1*6)		
	Stack Bypass	100 sheets (continuous document feeding)		
Multiple Copies		999 sheets		
Power Requirement		100 V AC, 8.5 A, common to 50 Hz and 60 Hz		
Maximum Power Consumption		1.5 kW or less		
Standard Power Consumption (TEC)*7		1.35 kWh	0.89 kWh	
Dimensions		565 mm(W) × 680 mm(D) × 928 mm(H) ※Main Unit + DADF		565 mm(W) × 680 mm(D) × 791 mm(H)
Weight		Approx. 92 kg ※Includes DADF		Approx. 79 kg
Installation Space*8		846 mm(W) × 680 mm(D)		
Memory Capacity		RAM/standard:2 GB, maximum:4 GB, HD/standard:160 GB (used disc space:80 GB)		
Inner Tray Paper Capacity*9		250 sheets (A4, B5, B5R, A5), 150 sheets (A5R), 100 sheets (A3, B4, A4R)		
Additional Functions		Automatic Paper Selection, Auto Collate, Auto Orientation, Reserving Copy Jobs (20 jobs), Interrupt Copy, Color Selection (Auto-Color Select (color/BW), Full Color, Single Color (6 colors), Two Colors (Bk + 6 colors), Black&White), Image Quality Adjustment (Text/Photo, Map, Printed Image, Photo, Text), Density Adjustment (Manual), Background Adjustment (Automatic/Manual), Finishing (Collate, Group, Rotate), 2-Sided, 2-Page Separation, Cover (Front Cover/Back Cover), Sheet Insertion (Chapter Page/Insertion Page), Booklet, Transparency Interleaving, Image Combination (2 on 1/4 on 1/8 on 1), Shift, Margin, Frame Erase, Job Done Notice, Different Size Originals, Job Build, Scan Image Check, Image Creation (Nega/Posi, Image Repeat, Mirror), Image Quality Adjustment (Color Balance/Fine Adjustment), One Touch Color (Vivid Colors/Tranquil Colors/Lighten Image/Darken Image/Highlight Reproduction/Retro Photo Image), Sharpness, Secure Watermark, Page/Copy Set Numbering, Watermark/Print Date, Store in User Inbox, Recall (interpolated 3 previous jobs), Mode Memory (interpolated 9 Jobs), etc.		

∗1 Available in Stack Bypass only. ∗2 Not available in first-drawer cassette ∗3 Japan Post postcard ∗4 Please use envelopes for laser printer by Heart Co.,Ltd. Using other envelopes may result in creased output or paper jam. ∗5 A4 landscape set on platen, B/W in B/W mode, color in color mode, paper selection from first-drawer cassette and delivered to lower center tray. ∗6 Optional ∗7 Figures from measurement methods defined under theInternational ENERGY STAR Program. ∗8 When extending the Stack Bypass to the maximum length. ∗9 Please see specification for paper capacity with optional accessories.

Duplex Automatic Document Feeder-AJ1 (Option/Standard on F model)

Type		Duplex Automatic Document Feeder
Original Size/ Type	Paper Size	A3, B4, A4, A4R, B5, B5R, A5, A5R, B6
	Paper Weight	1-sided original: 42 to 128 g/m², 2-sided original: 50 to 128 g/m²
Orginal Capacity		50 sheets (80 g/m²)
Scan Speed (A4R)	Copying	1-sided scan: 30 ipm (color and B/W) 2-sided scan: 13 ipm (color and B/W)
	Scanning (300 dpi)	1-sided scan: 51 ipm (color and B/W) 2-sided scan: 19 ipm (color and B/W)

※Based on Canon's measurements. Speed may vary depending on type of paper used, setting, etc.

LIPS LX Printer (Standard)

Type		Embedded
Print Size		Based on the specifications of Main Unit
Print Speed		Based on the specifications of Main Unit
Resolution	Data Process	1200 dpi × 1200 dpi*1, 600 dpi × 600 dpi
	Print	1200 dpi × 1200 dpi (1200 dpi), interpolated 9600 dpi × 600 dpi (600 dpi)
Page Description Language		LIPS LX
Supported Protocol		TCP/IP (LPD/Port9100/IPP/IPPS/SMB/ FTP/WSD), IPX/SPX (NDS, Bindery)
Supported OS		Windows®XP/Windows Vista®/Windows®7/ Windows®Server 2003/Windows®Server 2008, Mac OS X (10.5.8 or later)
Standard Font		N/A
Emulation	Standard	BMLinkS, TIFF/JPEG Direct Print
	Option	PDF/XPS Direct Print*2
Interface		USB2.0 High-Speed, 1000Base-T/100Base-TX/10Base-T (IEEE 802.3 -compliant)
Margins		5 mm in all directions (max. printable area:284.8 mm × 437.2 mm) Engine margin selectable in printer driver

∗1 Text/Line Only ∗2 When installing the Direct Print Kit (for PDF/XPS)-H1

LIPS V Printer (Option)

Name		LIPS V Printer Kit-AT1
Type		Embedded
Print Size		Based on the specifications of Main Unit
Print Speed		Based on the specifications of Main Unit
Resolution	Data Process	1200 dpi × 1200 dpi*1, 600 dpi × 600 dpi
	Print	1200 dpi × 1200 dpi (1200 dpi),9600 dpi (interpolated) × 600 dpi (600 dpi)
Page Description Language		LIPS V (LIPS LX, LIPS IV, LIPS III, LIPS II+)
Supported Protocol		TCP/IP (LPD/Port9100/IPP/IPPS/SMB/ FTP/WSD), IPX/SPX (NDS, Bindery)
Supported OS		Windows®XP/Windows Vista®/Windows®7/ Windows®Server 2003/Windows®Server 2008, Mac OS X (10.5.8 or later)*2
Standard Font	Japanese	Heisei-Mincho-W3, Heisei-Kaku-Gothic W5, Round Gothic
	Alphabet	Courier, Swiss, Dutch, Symbol, All four font types and thirteen sets
	Other	Barcode (EAN-128, CODE39, NW-7, JAN, Postal Barcode, OCR font)
Emulation		ESC/P, N201, IBM5577, HP-7550B, HP-GL, HP-GL2, BMLinkS
Interface		USB2.0 High-Speed, 1000Base-T/100Base-TX/10Base-T (IEEE 802.3 -compliant)
Margins		5 mm in all directions (max. printable area:284.8 mm × 437.2 mm) Engine margin selectable in printer driver

∗1 Text/Line only ∗2 LIPS LX only

PS Printer (Option)

Name		PS Printer Kit-AT1
Type		Embedded
Print Size		Based on the specifications of Main Unit
Print Speed		Based on the specifications of Main Unit
Resolution	Data Process	1200 dpi × 1200 dpi*1, 600 dpi × 600 dpi
	Print	1200 dpi × 1200 dpi (1200 dpi), 9600 dpi (interpolated) × 600 dpi (600 dpi)
Page Description Language		Adobe®PostScript®3™
Supported Protocol		TCP/IP (LPD/Port9100/IPP/IPPS/SMB/FTP/WSD), IPX/SPX (NDS, Bindery), Apple Talk (PAP)
Supported OS	Driver	Windows®XP/Windows Vista®/Windows®7/ Windows®Server 2003/Windows®Server 2008, Mac OS X (10.5.8 or later)
	PPD	Windows®2000*2/Windows®XP/Windows Vista®/Windows®7, Mac OS 9 (9.1 or later), Mac OS X (10.3.9 or later)
Standard Font	Japanese	Heisei-Mincho-W3, Heisei-Kaku-Gothic W5
	Alphabet	136 font types
Emulation		N/A
Interface		USB2.0 High-Speed, 1000Base-T/100Base-TX/10Base-T (IEEE 802.3 -compliant)
Margins		4 mm in all directions (max. printable area:296.8 mm × 449.2 mm) Engine margin selectable in printer driver

∗1 Text/Line only ∗2 QuarkXpress only

Super G3 Fax Functions (Option/Standard on F model)

Name		Super G3 Fax Board-AH2 (single line board)
Applicable Line*1		General telephone line (PSTN), FAX Line (PSTN) ※interpolated 2 lines available using extension kit
Scanning Line Density	Standard Mode	8 dot/mm × 3.85 line/mm
	Fine Mode	8 dot/mm × 7.7 line/mm
	Super Fine Mode	8 dot/mm × 15.4 line/mm
	Ultra Fine Mode	16 dot/mm × 15.4 line/mm
Communication Speed		Super G3:33.6 kbps, G3:14.4 kbps
Encoding System		MH, MR, MMR, JBIG
Communication Mode		Super G3, G3
Original Size		A3, B4, A4, A4R, B5*2, B5R*3, A5*3, A5R*3
Printable Paper Size		A3, B4, A4, A4R, B5, B5R, A5, A5R
Transmission Time		Approx. 2.6 sec.Using A4, Canon original paper, Standard mode, ECM (JBIG) Sending
Fax Driver	Interface	USB2.0 High-Speed,1000Base-T/100Base-TX /10Base-T (IEEE 802.3 -compliant)
	Supported Protocol	TCP/IP (LPD/Port9100/SMB/WSD), IPX/SPX (NDS, Bindery)
	Supported OS	Windows®XP/Windows Vista®/Windows®7/ Windows®Server 2003/Windows®Server 2008, Mac OS X (10.5.8 or later)
Others		One Touch Button:200 items*4, Address Book:1,600 destinations, Broadcast Sending :interpolated 256 destinations, Reserving Jobs:interpolated 64 jobs, Available Sending Functions:Rotation Sending, Manual Sending, Memory Sending, Direct Sending, Line Designation, Senders Log, Sender Name (100 names), Job Done Notice, FAX Number Check, F-code, Password, Available Receiving Functions:Rotation Receiving, 2-sided Printing, Cassette Selection, Image Reduction, Receiving Log, 2on1 Log, Tel/Fax Auto Switching*6, Manual Receiving*5*6, On-hook, Remote Receiving, Output Tray Designation, Dial-in Receiving (Two destinations per one line)*6, Previewing Original, Density Adjustment, Background Adjustment (Automatic/Manual) Sharpness, Frame Erase (Original Frame/ Book Frame/Binding Erase)

∗1 In case of Volp (Voice Over IP) line, data transmission is performed for each packet. However, FAX communication may fail due to the loss of packet. Recommend to use FAX via General Telephone Line (subscribed telephone/Fnet). ∗2 To be sent as B4 size ∗3 To be sent as A4 size ∗4 One Touch or Address Book is common to the address book used for sending file or mail. ∗5 Optional ∗6 Can use following functions when using the line1 (Super G3 Fax Board): Cordless handset-wireless connection, Tel/Fax Switching, Remote Receiving, Incoming Call, On-hook

The imageRUNNER ADVANCE Series has met various environment, security, and network standards and guidelines.

Internet/Intranet Fax Functions (Standard)

Protocol	Internet Fax	SMTP*1(Send) /POP3*2(Receive)
	Intranet Fax	SMTP*1(Send/Receive)
Communication Mode		Simple Mode, Full Mode (ITU-T T.37-compliant and W-NET Fax- compliant)
Original Size		A3, B4, A4, A4R, B5*3, B5R*4, A5*4, A5R*4 (A3 and B4 size depends on the destination's settings.)
Resolution	B/W	200 × 100 dpi, 200 × 200 dpi, 200 × 400 dpi*5, 300 × 300 dpi*5, 400 × 400 dpi*5, 600 × 600 dpi*5
Supported Mail Server		Microsoft Exchange 2003 SP2, Microsoft Exchange 2007 SP2, Sendmail 8.14.4, Lotus Domino R7.0

*1 Supporting the encrypted communication (SSL) for SMTP authentication and SMTP sending *2 Supporting the encrypted communication (SSL) for APOP /POP before SMTP or POP receiving *3 To be sent as A4 size *4 To be sent as B4 size *5 Depending on the receiver's setting

Pull Scan Functions (Standard)

Type	Color scanner
Maximum Scan Size	Based on the specifications of Main Unit
Resolution (Main Scan × Sub Scan)	75, 150, 200, 300, 400, 600 dpi (adjustable in increments of 1 dpi from 75 to 600 dpi)
Interface	1000Base-T/100Base-TX/10Base-T (IEEE 802.3 -compliant)
Supported Protocol	TCP/IP
Supported OS	Windows®XP*1/Windows Vista®/Windows®7/Windows®Server 2003*1/Windows®Server 2008
Driver	TWAIN*2/WIA-compliant
Driver Operation Environment	Computers that above Software operate
Image Mode	Auto Switch between Color and B/W, Color, B/W, Gray Scale

*1 TWAIN support only *2 In a 64-bit environment, TWAIN applications that can run in 32-bit virtual mode are only supported.

Push Scan Functions (Standard)

Type		Color scanner
Maximum Scan Size		Based on the specifications of Main Unit
Resolution (Main Scan × Sub Scan)		100 × 100 dpi, 150 × 150 dpi, 200 × 100 dpi, 200 × 200 dpi, 200 × 400 dpi, 300 × 300 dpi, 400 × 400 dpi, 600 × 600 dpi
Scan Speed (A4R, 300 dpi, 1-sided Scan)		See Duplex Automatic Document Feeder Specifications
Interface		1000Base-T/100Base-TX/10Base-T (IEEE 802.3 -compliant)
Supported Protocol		SMB (TCP/IP), FTP (TCP/IP), SMTP (TCP/IP)*1, WebDAV*2
Supported OS/ Application	SMB	Windows®2000/Windows®XP/Windows Vista® / Windows®7/Windows®Server 2003/Windows®Server 2008, Samba 2.2.8/3.0 (Mac OS X 10.5/10.6, RedHat Linux9.0)
	FTP	Microsoft Internet Information Server Version 5.0/5.1/6.0/7.0/7.5, Mac OS X 10.5/10.6, Red Hat Linux9.0, Solaris 10
	WebDAV	Microsoft Internet Information Server Version 5.0/5.1/6.0/7.0/7.5, Apache2 (Mac OS X 10.5/10.6, RedHat Linux9.0, Solaris 10)
	SMTP	Microsoft Exchange 2003 SP2, Microsoft Exchange 2007 SP2, Sendmail 8.14.4, Lotus Domino R7.0
Output Format	Single Page	TIFF (MMR)/JPEG/PDF/XPS/OOXML (PowerPoint)*3
	Multiple Pages	TIFF (MMR)/PDF/XPS/OOXML (PowerPoint)*3
Image Mode		Text, Text/Photo, Photo
Additional Functions		Compact PDF/XPS, PDF (Optimize for Web), PDF (Apply Policy), PDF/A-1b, PDF with Reader Extensions*3, PDF(Trace & Smooth)*3, Encrypted PDF*3, Searchable PDF/XPS(OCR)*3, Device Signature PDF*3, User Signature PDF*3, Time Stamp PDF*3

*1 Supporting the encrypted communication (SSL) for SMTP authentication or SMTP sending. *2 Supporting the encrypted communication (SSL) *3 Optional

Copy Tray-J1 (Option)

Paper Size	A3, B4, A4, A4R, B5, B5R, A5R
Paper Weight	60 to 120 g/㎡
Paper Type	Thin (60 to 64 g/㎡), Plain1 (65 to 82 g/㎡), Plain2 (83 to 99 g/㎡), Plain3 (100 to 105 g/㎡), Recycled, Color, Heavy1 (106 to 120 g/㎡)
Capacity	80 g/㎡:100 sheets (A4, B5, B5R, A5R), 80 g/㎡:75 sheets (A3, B4, A4R)
Dimensions/Weight	365 mm(W) × 373 mm(D) × 124 mm(H) (When extending auxiliary tray)/ 243 mm(W) × 373 mm(D) × 87 mm(H) (with auxiliary tray retracted) approx. 438 g
Installation Space with Main Unit*	930 mm(W) × 680 mm(D)

* When extending the Stack Bypass to the maximum length

Cassette Feeding Unit-AF1 (Option)

Paper Size	A3, B4, A4, A4R, B5, B5R, A5R, Custom size (139.7 mm × 182 mm to 304.8 mm to 457.2 mm)
Paper Capacity/Number of Available Cassette	550 sheets (80 g/㎡) × 2 cassettes, 680 sheets (64 g/㎡) × 2 cassettes
Maximum Power Consumption	Main Unit/approx.30 W
Dimensions/Weight	565 mm(W) × 650 mm(D) × 248 mm(H)/approx. 28 kg
Installation Space with Main Unit*	846 mm(W) × 680 mm(D)

* When extending the Stack Bypass to the maximum length

iR-ADV Caster Plate-B1 (Option)

Dimensions/Weight	565 mm(W) × 650 mm(D) × 85.16 mm(H)/approx. 6 kg

iR-ADV Pedstal-B1 (Option)

Dimensions/Weight	565 mm(W) × 650 mm(D) × 248 mm(H)/approx. 14.8 kg

Inner 2-way Tray-F1 (Option)

Paper Size		305 mm × 457 mm, 320 mm × 450 mm (SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R, Postcard, Double Postcard, Quarter-dividable Postcard, Custom size (99 mm × 139.7 mm to 320 mm × 457.2 mm), Envelope*1
Paper Weight		60 to 220 g/㎡
Paper Type		Thin (60 to 64 g/㎡), Plain1 (65 to 82 g/㎡), Plain2 (83 to 99 g/㎡), Plain3 (100 to 105 g/㎡), Recycled, Color, Pre-punched, Heavy1 (106 to 120 g/㎡), Heavy2 (121 to 163 g/㎡), Heavy3 (164 to 220 g/㎡), Tracing, Coated, Labels, Transparency, Postcard, Double Postcard, Quarter-dividable Postcard, Envelope*1
Capacity	Tray A (lower)	80 g/㎡:250 sheets (A4, B5, B5R, A5, Postcard, Double Postcard, Quarter-dividable Postcard), 80 g/㎡:150 sheets (A5R), 80 g/㎡:100 sheets (305 × 457 mm, 320 × 450 mm (SRA3), A3, B4, A4R, Custom Size (99 × 139.7 mm to 320 × 457.2 mm))
	Tray B (upper)	80 g/㎡: 100 sheets (305 × 457 mm, 320 × 450 mm (SRA3), A3, B4, A4R, B5, B5R, A5, A5R, Postcard, Double Postcard, Quarter-dividable Postcard)Custom Size (99 × 139.7 mm to 320 × 457.2 mm), Envelope*1)
Dimensions/Weight		426 mm(W) × 407 mm(D) × 76 mm(H)/ approx. 574g
Installation Space with Main Unit*2		846 mm(W) × 680 mm(D)

*1 When feeding a envelope vertically, it cannot be received from Tray B (upper).
*2 When extending the Stack Bypass to the maximum length

Inner Finisher-F1 (Option)

Paper Size		305 mm × 457 mm, 320 mm × 450 mm (SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R, Postcard, Double Postcard, Quarter-dividable Postcard, Custom size (99 mm × 140 mm to 320 mm × 457 mm), Envelope*1
Paper Weight		60 to 220 g/㎡
Paper Type		Thin (60 to 64 g/㎡), Plain1 (65 to 82 g/㎡), Plain2 (83 to 99 g/㎡), Plain3 (100 to 105 g/㎡), Recycled, Color, Pre-punched, Heavy1 (106 to 120 g/㎡), Heavy2 (121 to 163 g/㎡), Heavy3 (164 to 220 g/㎡), Tracing, Coated, Labels, Transparency, Postcard, Double Postcard, Quarter-dividable Postcard, Envelope*1
Tray Capacity	Standard Tray (With Additional Tray)	Non-collate, Collate, Group: 500 sheets (305 × 457 mm, 320 mm × 450 mm (SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R interpolated 62.5 mm in height) 750 sheets (A4, B5, A5, A5R:interpolated 94 mm in height), 500 sheets (for mixed sizesheets: interpolated 62.5 mm in height) ※Paper capacity may be decreased depending on the setting.
		Collate (Shift), Group (Shift): 750 sheets (A4, B5: interpolated 94mm in height) 350 sheets (A3, B4, A4R:interpolated 44 mm in height with additional tray) ※Paper capacity may be decreased depending on the setting.
		Staple: 30 copies (A4, B5:interpolated 94 mm in height) 30 copies (A3, B4, A4R:interpolated 44 mm in height) 30 copies (for mixed size sheets:interpolated 44 mm in height)
	Additional Tray	Non-collate, Collate, Group: 100 sheets (305 × 457 mm, 320 mm × 450 mm (SRA3), A3, B4, A4, A4R, B5, B5R, A5, A5R: interpolated 12.5 mm in height)
		Collate (Shift), Group (Shift): 100 sheets (A3, B4, A4, A4R, B5: interpolated 12.5 mm in height)
		Staple: 15 copies (A3, B4, A4, A4R, B5: interpolated 8.1 mm in height) 15copies (for mixed size sheets: interpolated 8.1mm in height)
	Standard Tray (Without Additional Tray)	Non-collate, Collate, Group: 750 sheets (A4, B5, A5,A5R:interpolated 94 mm in height) 500 sheets (305 × 45 7mm, 320mm × 450 mm (SRA3), A3, B4, A4R, B5R:interpolated 62.5 mm in height) 350 sheets (for mixed size sheets:interpolated 44 mm in height)
		Collate (Shift), Group (Shift): 750 sheets (A4, B5:interpolated 94 mm in height) 350 sheets (A3, B4, A4R:interpolated 44 mm in height)
		Staple: 30 copies (A4, B5: interpolated 94 mm in height) 30 copies (A3, B4, A4R: interpolated 44 mm in height) 30 copies (for mixed size sheets: interpolated 44 mm in height)
Staple	Capability	60 to 82 g/㎡: 50 sheets, 83 to 105 g/㎡: 30 sheets, 106 to 220 g/㎡: 2 sheets (A4, B5), 60 to 82 g/㎡: 30 sheets, 83 to 105 g/㎡: 20 sheets, 106 to 220 g/㎡: 2 sheets (A3, B4, A4R)
	Position	Corner/Double
Paper Size for Shifting		A3, B4, A4, A4R, B5
Paper Size for Staple		A3, B4, A4, A4R, B5
Maximum Power Consumption		Main Unit/approx. 39 W
Dimensions/Weight		565 mm(W) × 550 mm(D) × 260 mm(H)/approx. 14 kg (wen additional tray for Inner Finisher-A1 is installed)
Installation Space with Main Unit*2		1,021 mm(W) × 680 mm(D)

*1 When feeding a envelope vertically, it cannot be received from Tray B (upper).
*2 When extending the Stack Bypass and Finisher Tray to the maximum length

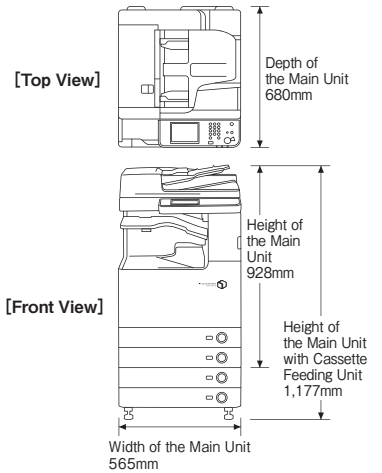
Useful utility software

Maintain Address Book from your desk

Address Book Editor*

Users can easily edit Address Book on their computer by loading data from iR-ADV or CSV files. Easy to import it using Remote UI.

■Dimensions (C2230F/C2220F)


[Top View]
Depth of the Main Unit 680mm
[Front View]
Height of the Main Unit 928mm
Height of the Main Unit with Cassette Feeding Unit 1,177mm
Width of the Main Unit 565mm

*The tool can be downloaded from Canon's website. (http://canon.jp)

PAPER HANDLING

Variety of optional accessories such as a finisher to improve output efficiency, paper cassette to increase capacity, etc.

Automatic Document Feeder-AJ1 (Standard with C2230F/C2220F)

Compatible with originals from A3 to B6 size. Capable of scanning different-sized originals simultaneously.

Price (w/o tax) 160,000 yen

Inner 2-Way Tray-F1

The Inner 2-Way Tray-F1 brings a two-way paper output system to the basic configuration of the imageRUNNER ADVANCE Series, to sort output.

Price (w/o tax) 10,000 yen

Inner Finisher-F1

The finisher can be installed in the central output section of the Main Unit, requiring no additional installation space. It provides a 50-sheet staple capacity (64g/㎡), supporting corner and double stapling.

Price (w/o tax) 120,000 yen

※The photo shows the optional Inner Finisher Additional Tray-A1 which provides an additional output tray to the Inner Finisher-F1 **(price (w/o tax): 20,000 yen)**.

3-Way Unit-C1 (Standard with C2230F/C2220F)

The C2220 requires Inner Finisher-F1, Inner 2-Way Tray-F1 and Copy Tray-J1 to be installed along with this option.

Price (w/o tax) 30,000 yen

Copy Tray-J1

Provide a three-way paper output system when combined with the Inner 2-Way Tray-F1 or Inner Finisher-F1.

Price (w/o tax) 6,000 yen

Stack Bypass (Standard)

The Stack Bypass provides a paper capacity of 100 sheets (64g/㎡).

640-sheet Cassette/680-sheet Cassette (Standard)

Accepts up to 640 sheets (64g/㎡) in the first cassette, and up to 680 sheets (64g/㎡) in the second cassette.

Cassette Feeding Unit-AF1

Compatible with originals from A3 to A5R size. It provides a paper capacity of 680 sheets (64g/㎡) per cassette, supporting mixed-size printing to improve productivity.

Price (w/o tax) 150,000 yen

iR-ADV Pedestal-B1

The pedestal provides space to store paper stocks at the bottom of the Main Unit.

Price (w/o tax) 50,000 yen

iR-ADV Caster Plate-B1

The caster allows for device operation in a seated position.

Price (w/o tax) 30,000 yen

＊This photo shows the imageRUNNER ADVANCE C2230F model with the Inner 2-Way Tray-F1,Cassette Feeding Unit-AF1,Copy Tray-J1.

Product Lineup

C2230F

- Copy/print speed
- COLOR ····· 30ppm
- BLACK & WHITE ····· 30ppm
- First-Copy-Out time (FCOT)
  - COLOR 8.9sec.
  - BLACK & WHITE 5.9sec.

When the optional Inner Finisher-F1, Inner Finisher Additional Tray-A1, Cassette Feeding Unit-AF1 are attached.

C2220/C2220F

- Copy/print speed
- COLOR ····· 20ppm
- BLACK & WHITE ····· 20ppm
- First-Copy-Out time (FCOT)
  - COLOR 8.9sec.
  - BLACK & WHITE 5.9sec.

When the optional Inner 2-Way Tray-F1, Cassette Feeding Unit-AF1 are attached.

Main Unit pricing (w/o tax)

C2230F ··· 1,650,000 yen

C2220 ····· 1,050,000 yen
C2220F ··· 1,350,000 yen

For product information,

Home Page Canon Marketing Japan Corporate Information (English)

canon.jp/8060e

*Product information can also be checked from a mobile device.

Built-in Service Technician Tools

The imageRUNNER ADVANCE Series provides the following built-in service technician tools designed for prompt delivery of required services when trouble occurs. Service technicians use these tools upon customer's assent.

- Service Technician Browser: Accesses the device web portal and views troubleshooting and countermeasure examples and other relevant information at a customer site.
- Updater: Downloads the latest firmware over the Internet at a customer site.

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- Possession of copies may be subject to punishment for violation of the law. These include:
  ① Currencies in circulation within and outside this country, government securities, and government and regional bond certificates
  ② Unused postal stamps and postcards
  ③ Duplicated government stamps
- Copying copyrighted material, such as books, music, paintings, block prints, maps, movies, drawings, or photos, is prohibited except for personal, family, or other limited use.
- A designated administrator is required for management and control of this product to prevent unauthorized copying.

To use the product safely:

- Before using the product, read the product documentation carefully and thoroughly.
- Use the product only within the specified output power and input oltage.

TOP PARTNER

●Purchase Canon products at our store that you can always trust.

As of October, 2012

Canon Canon Inc.
Canon Marketing Japan Inc.

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